RO 452

URS

April 12, 2004

Mr. Scott Seery
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: First Quarter 2004 Groundwater Monitoring Report
ARCO Service Station #6041
7249 Village Parkway
Dublin, California
URS Project #38486728

Dear Mr. Seery:

On behalf of Atlantic Richfield Company (ARCO – a BP affiliated company), URS Corporation (URS) is submitting the *First Quarter 2004 Groundwater Monitoring Report* for the ARCO Service Station #6041, located at 7249 Village Parkway, Dublin, California.

If you have any questions regarding this submission, please call (510) 874-3280.

Sincerely,

URS CORPORATION

REGISTERED GEOLOGIST
JAMES F. DURKIN
No. 7260
HYDROGEOLOGY
Exp. 2/28/05
STATE OF CALIFORNIA

Scott Robinson
Project Manager

James F. Durkin, C. Hg.
Senior Geologist

Enclosure: First Quarter 2004 Groundwater Monitoring Report

cc: Ms. Karen Petryna, Equiva Services, LLC, PO Box 7869, Burbank, CA 91510-7869
Mr. Paul Supple, ARCO, (electronic copy uploaded to ENFOS)

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
Tel: 510.893.3600
Fax: 510.874.3268

Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 6549
Moraga, California 94570
Phone: (925) 299-8891
Fax: (925) 299-8872

April 12, 2004

RE: First Quarter 2004 Groundwater Monitoring Report
ARCO Service Station #6041
7249 Village Parkway
Dublin, California
URS Project #38486728

I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.

Submitted by:

Paul Supple
Environmental Business Manager

REPORT

FIRST QUARTER 2004 GROUNDWATER MONITORING

ARCO SERVICE STATION #6041
7249 VILLAGE PARKWAY
DUBLIN, CALIFORNIA

Prepared for
Atlantic Richfield Company

April 12, 2004

URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486728

Date: April 12, 2004
Quarter: 1Q 04

ATLANTIC RICHFIELD COMPANY QUARTERLY GROUNDWATER MONITORING REPORT

Former Facility No.:	6041	Address:	7249 Village Parkway, Dublin, California
ARCO Environmental Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Consultant Project No.:			38486728
Primary Agency:			Alameda County Health Care Services Agency (ACHCSA)

WORK PERFORMED THIS QUARTER (First – 2004):

1. Performed first quarter 2004 groundwater monitoring event on March 10, 2004.
2. Prepared and submitted first quarter 2004 groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (Second – 2004):

1. Perform second quarter 2004 groundwater monitoring event.
2. Prepare and submit second quarter 2004 groundwater monitoring report.

Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Quarterly: Wells MW-2, MW-3, MW-4 and MW-8 Annual (3rd Qtr.): MW-5 and MW-6
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On-Site:	No
Bulk Soil Removed to Date:	3,208 cubic yards
Current Remediation Techniques:	Natural Attenuation
Approximate Depth to Groundwater:	6.70 (MW-2) to 7.78 (MW-7)
Groundwater Gradient (direction):	South-Southeast
Groundwater Gradient (magnitude):	0.003 feet per foot

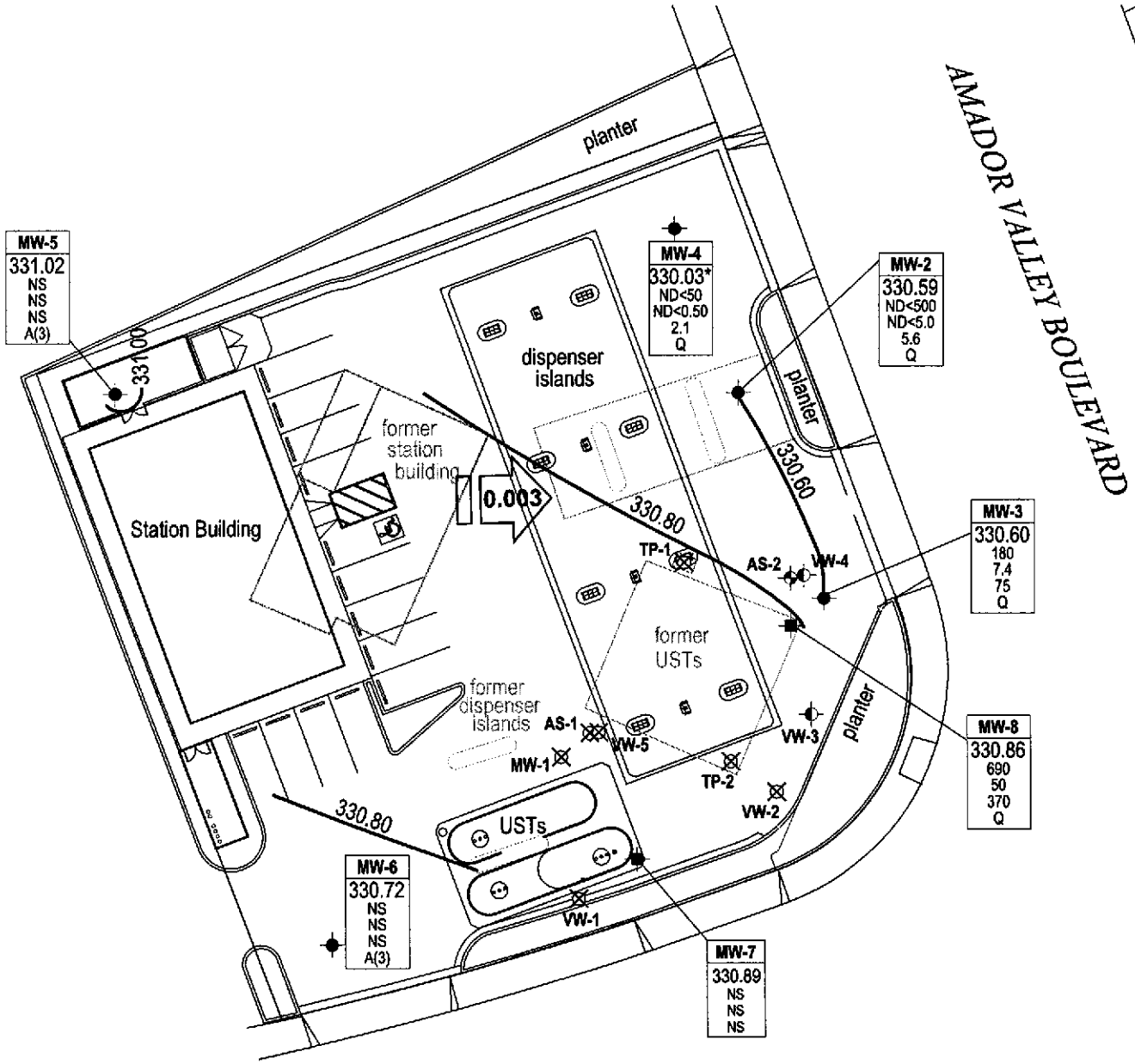
DISCUSSION:

Gasoline Range Organics (GRO) were detected above the laboratory reporting limit in two of the four wells sampled at concentrations of 180 micrograms per liter (µg/L) (MW-3) and 690 µg/L (MW-8). Benzene was detected above the laboratory reporting limit in two wells at concentrations of 7.4 µg/L (MW-3) and 50 µg/L (MW-8). Methyl tert-butyl ether (MTBE) was detected above the laboratory reporting limit in all four wells at concentrations ranging from 2.1 µg/L (MW-4) to 370 µg/L (MW-8). Tert-Butyl alcohol (TBA) was detected above the laboratory reporting limit in three wells at concentrations ranging from 420 µg/L (MW-8) to 13,000 µg/L (MW-2). No other fuel oxygenates were detected above their respective reporting limits.

URS recommends changing the sampling frequency at MW-4 from quarterly to semi-annually.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – March 10, 2004
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Table 3 – Fuel Oxygenate Analytical Data
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports and Chain-of-Custody Records
- Attachment C – EDCC and EDF/Geowell Submittal Confirmation



EXPLANATION

- Groundwater monitoring well
- Vapor extraction well
- Shell monitoring well
- Air Sparge well
- Tank Pit Observation well
- Abandoned well
- 331.0 — Groundwater elevation contour (feet above MSL)
- 0.003 — Approximate goundwater flow direction and gradient (MSL)

Well
ELEV
GRO
Benzene
MTBE
Q or A

- Well designation
- Groundwater elevation
- GRO, Benzene & MTBE concentration in micrograms per liter (µg/L)
- Sampling period

ND<	Not Detected at or above laboratory reporting times
NS	Not Sampled
A	Sampled annually, 3rd quarter
Q	Sampled quarterly

"Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported."

NORTH

0 20 40 80

Scale (ft)

NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

URS	Project No. 38486728 ARCO Service Station #6041 7249 Village Parkway Dublin, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP First Quarter 2004 (March 10, 2004)	FIGURE 1

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring		TOC Elevation (ft-MSL)	Top of Screen (ft., bgs)	Bottom of Casing (ft., bgs)	Depth to Water (ft.)	Groundwater Elevation (ft-MSL)	GRO/ TPH-g [11] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen[9] (mg/L)	pH Level[9]
MW-1	02/15/95		336.56	14.00	17.50	8.53	328.03	820	15	ND<1	5.2	1.4	--	--	--	--
	05/24/95					9.00	327.56	640	12	ND<1	7.3	ND<1	--	--	--	--
	08/25/95					10.30	326.26	780	2	ND<1	2	2	2,500	--	--	--
	11/28/95					11.01	325.55	570	2.2	ND<0.5	1.4	0.9	--	--	--	--
	02/26/96					7.35	329.21	1,100	28	ND<7	13	7	3,400	--	--	--
	05/23/96					8.73	327.83	560	8.5	ND<1	1.1	ND<1	3,900	--	--	--
	08/23/96					10.25	326.31	860	ND<1	ND<1	ND<4	2	5,600	--	--	--
	03/21/97					9.35	327.21	520	12	ND<0.5	2.7	1.5	6,200	--	--	--
	08/20/97					10.75	325.81	ND<5,000	ND<50	ND<50	ND<50	ND<50	7,400	--	--	--
	11/21/97					11.10	325.46	ND<5,000	ND<50	ND<50	ND<50	ND<50	8,500	--	--	--
	02/12/98	P				7.05	329.51	210	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8,900	--	1.71	--
	07/31/98	P				10.04	326.52	ND<20,000	ND<200	ND<200	ND<200	ND<200	18,000	--	2.43	--
	02/17/99					8.50	328.06	ND<20,000	ND<200	ND<200	ND<200	ND<200	16,000	--	1.0	--
	08/24/99	P				10.40	326.16	190	ND<0.5	4.4	ND<0.5	1.1	15,000	--	--	--
	03/01/00	P				8.85	327.71	310	20	0.5	7.6	4	80,000	--	1.57	--
	08/18/00	P				9.35	327.21	ND<10,000	ND<100	ND<100	ND<100	ND<100	48,400	63,700	1.50	--
	12/27/00	P				10.81	325.75	ND<10,000	309	ND<100	ND<100	289	44,400	--	0.51	--
	02/09/01	P				10.65	325.91	2,820	368	ND<25.0	116	176	23,300	--	0.58	--
DUP	02/09/01		NR			NR	NR	3,490	432	9.56	146	235	31,800	--	--	--
	04/17/01	P				11.09	325.47	2,900	66.0	ND<10.0	33.2	25.1	46,500	--	0.63	--
DUP	04/17/01		NR			NR	NR	2,600	70.1	ND<20.0	32.7	30.6	45,400	--	--	--
	07/17/01	P				11.07	325.49	ND<10,000	ND<100	ND<100	130	520	42,000	--	0.69	--
	12/21/01		Well abandoned during station upgrade activities													

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Well Number	Date of Sampling/ Monitoring		TOC Elevation (ft-MSL)	Top of Screen (ft., bgs)	Bottom of Casing (ft., bgs)	Depth to Water (ft.)	Groundwater Elevation (ft-MSL)	GRO/ TPH-g [11] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen[9] (mg/L)	pH Level[9]
MW-2	02/15/95		334.80	10.50	14.00	6.75	328.05	730	110	1.7	25	66	--	--	--	--
	05/24/95					6.88	327.92	370	110	ND<1	17	1.9	--	--	--	--
	08/25/95					7.91	326.89	150	6	ND<1	ND<1	ND<1	2,700	--	--	--
	11/28/95					9.06	325.74	ND<50	ND<0.5	ND<0.5	ND<0.5	0.8	--	--	--	--
	02/26/96					6.65	328.15	350	66	ND<0.5	11	1.7	ND<3	--	--	--
	05/23/96					6.90	327.90	540	140	ND<2.5	13	ND<2.5	4,600	--	--	--
	08/23/96					8.45	326.35	180	0.8	2	0.7	2.6	4,000	--	--	--
	03/21/97					7.28	327.52	410	90	ND<1	14	4	3,800	--	--	--
	08/20/97					8.87	325.93	ND<5,000	ND<50	ND<50	ND<50	ND<50	3,100	--	--	--
	11/21/97					9.28	325.52	ND<2,000	ND<20	ND<20	ND<20	ND<20	2,600	--	--	--
	02/12/98	P				5.90	328.90	310	54	ND<0.5	6.2	1.1	3,800	--	3.76	--
	07/31/98	P				8.12	326.68	6,100	52	220	110	1100	7,700	--	2.96	--
	02/17/99	P				7.18	327.62	ND<5,000	ND<50	ND<50	ND<50	ND<50	4,200	--	1.0	--
	08/24/99	P				8.68	326.12	200	1.8	16	3.0	32	3,100	--	--	--
	03/01/00	P				7.02	327.78	760	24	12	13	59	6,300	--	1.92	--
	08/18/00	P				7.75	327.05	ND<500	ND<5.00	ND<5.00	ND<5.00	ND<5.00	1,610	1,980	2.03	--
	12/27/00					8.85	325.95	Not Sampled: Well sampled during first and third quarters								
	02/09/01	P				8.50	326.30	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	9.11	--	0.53	--
	04/17/01					9.12	325.68	Not Sampled: Well sampled during first and third quarters								
	07/17/01	P				8.99	325.81	1,200	ND<10	ND<10	ND<10	ND<10	4,200	--	0.69	--
DUP	07/17/01		NR			NR	NR	3,500	ND<10	ND<10	ND<10	ND<10	3,500	--		--
	12/21/01	NP				8.65	326.15	65	ND<0.50	1.2	0.61	6.7	11	6.5	0.48	--
	03/06/02	NP				8.61	326.19	ND<50	ND<0.50	ND<0.50	ND<0.50	1.8	31	--	0.35	--
	04/26/02	NP				8.20	326.60	92	ND<0.5	ND<0.50	ND<0.50	0.64	98	180	0.19	--
	09/23/02	P				8.50 [4]	326.30 [4]	250 [1]	ND<1.2	ND<1.2	ND<1.2	ND<1.2	--	1,500	2.1	7.3
	12/27/02	P				7.15 [4]	327.65 [4]	440 [1]	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	790	1.4	6.9
	03/12/03 [7]	P				7.33	NR [6]	ND<50	1.6	ND<0.50	ND<0.50	1.2	--	11	2.7	7.0
	06/28/03 [8]	P	337.29			7.49	329.80	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.2	2.0	7.4
	09/30/03	P				8.20	329.09	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	5.2	2.2	7.0
	12/05/03	NP				7.73	329.56	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	2.6	4.3	7.3
	03/10/04	**P**				**6.70**	**330.59**	**ND<500**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	--	**5.6**	**2.1**	**6.4**

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7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring		TOC Elevation (ft-MSL)	Top of Screen (ft., bgs)	Bottom of Casing (ft., bgs)	Depth to Water (ft.)	Groundwater Elevation (ft-MSL)	GRO/ TPH-g [11] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen[9] (mg/L)	pH Level[9]
MW-3	02/15/95		335.53	12.00	15.00	8.55	326.98	100	14	ND<0.5	6.3	ND<0.5	--	--	--	--
	05/24/95					8.17	327.36	110	8	ND<0.5	2.7	ND<0.5	--	--	--	--
	08/25/95					9.27	326.26	210	3.6	ND<0.5	2.9	0.6	20,000	--	--	--
	11/28/95					9.91	325.62	81	1.5	ND<0.5	1.4	ND<0.5	--	15,000	--	--
	02/26/96					8.42	327.11	16,000	1,600	1,200	300	2,000	9,500	--	--	--
	05/23/96					7.70	327.83	6,500	690	ND<10	120	14	8,600	--	--	--
	08/23/96					9.25	326.28	1,700	85	2	61	5.3	11,000	--	--	--
	03/21/97					8.72	326.81	100	2	ND<1	1	ND<1	6,600	--	--	--
	08/20/97					9.73	325.80	ND<5,000	ND<50	ND<50	ND<50	ND<50	7,700	--	--	--
	11/21/97					10.10	325.43	ND<5,000	ND<50	ND<50	ND<50	ND<50	9,700	--	--	--
	02/12/98	P				6.68	328.85	110	11	ND<0.5	ND<0.5	1.9	10,000	--	1.02	--
	07/31/98	P				7.98	327.55	ND<10,000	ND<100	ND<100	ND<100	ND<100	13,000	--	2.59	--
	02/17/99	P				8.40	327.13	ND<20,000	ND<200	ND<200	ND<200	ND<200	23,000	--	1.0	--
	08/24/99	P				9.45	326.08	200	0.6	5.6	0.6	1.7	22,000	--	--	--
	03/01/00	P				8.32	327.21	320	32	1.0	6.1	4	58,000	--	2.42	--
	08/18/00	P				8.35	327.18	ND<10,000	ND<100	ND<100	ND<100	ND<100	46,200	55,600	1.59	--
DUP	08/18/00		NR			NR	NR	ND<10,000	ND<100	ND<100	ND<100	ND<100	45,500	51,700	--	--
	12/27/00	P				9.75	325.78	29,700	1,620	1,730	ND<250	6,230	62,600	--	1.59	--
	02/09/01	P				9.61	325.92	29,300	2,590	3,530	440	7,080	85,500	--	0.51	--
	04/17/01	P				9.94	325.59	16,400	1,680	ND<25.0	310	2,290	48,700	--	0.41	--
	07/17/01	P				9.93	325.60	21,000	1,500	ND<100	1,100	690	82,000	--	0.51	--
	12/21/01	P				9.40	326.13	ND<5,000	ND<50	ND<50	ND<50	ND<50	4,300	3,800	0.40	--
DUP	12/21/01		NR			NR	NR	ND<5,000	ND<50	ND<50	ND<50	ND<50	4,500	3,500	--	--
	03/06/02	P				9.33	326.20	ND<50	1.2	ND<0.50	1.1	13	880	--	0.43	--
	04/26/02	P				9.19	326.34	260	3.7	ND<1.0	1.1	1.80	460	940	0.2	--
	09/23/02	P				9.30[4]	326.23[4]	1,500[2]	41	2.4	9.8	14	--	980	1.5	7.6
	12/27/02	P				7.30[4]	328.23[4]	1,500[3]	300	100	21	66	NA	1,100	2.2	8.6
	3/12/03[7]	P				8.06	NR[6]	ND<1,000	ND<10	ND<10	ND<10	ND<10	NA	45	1.6	7.4
	06/28/03[8]	P	338.18			8.60	329.58	1,500	20	27	12	45	--	140	1.7	7.6
	09/30/03	P				9.04	329.14	ND<2,500	ND<25	ND<25	ND<25	ND<25	--	650	0.9	7.4
	12/05/03	P				8.57	329.61	ND<2,500	ND<25	ND<25	ND<25	ND<25	--	480	1.3	--[10]
	03/10/04	**P**				**7.58**	**330.60**	**180**	**7.4**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**--**	**75**	**2.0**	**7.6**

Table 1
Groundwater Elevation and Analytical Data

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7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring		TOC Elevation (ft-MSL)	Top of Screen (ft., bgs)	Bottom of Casing (ft., bgs)	Depth to Water (ft.)	Groundwater Elevation (ft-MSL)	GRO/ TPH-g [11] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen[9] (mg/L)	pH Level[9]
MW-4	02/15/95		334.22		14.50	7.85	326.37	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--
	05/24/95					6.68	327.54	Not sampled: well sampled semi-annually, during the first and third quarters								
	08/25/95					6.93	327.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	--
	11/28/95					8.21	326.01	Not sampled: well sampled semi-annually, during the first and third quarters								
	02/26/96					6.65	327.57	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	--
	05/23/96					6.47	327.75	Not sampled: well sampled semi-annually, during the first and third quarters								
	08/23/96					7.66	326.56	Not sampled: well not part of sampling program								
	03/21/97					6.84	327.38	Not sampled: well not part of sampling program								
	08/20/97					8.32	325.90	Not sampled: well not part of sampling program								
	11/21/97					8.65	325.57	Not sampled: well not part of sampling program								
	02/12/98					6.35	327.87	Not sampled: well not part of sampling program								
	07/31/98					6.84	327.38	Not sampled: well not part of sampling program								
	02/17/99					7.50	326.72	Not sampled: well not part of sampling program								
	08/24/99					9.50	324.72	Not sampled: well not part of sampling program								
	03/01/00					6.93	327.29	Not sampled: well not part of sampling program								
	08/18/00					7.03	327.19	Not sampled: well not part of sampling program								
	12/27/00					8.10	326.12	Not sampled: well not part of sampling program								
	02/09/01					7.97	326.25	Not sampled: well not part of sampling program								
	04/17/01					8.90	325.32	Not sampled: well not part of sampling program								
	07/17/01					8.59	325.63	Not sampled: well not part of sampling program								
	12/21/01	NP				8.31	325.91	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.1	2.0	0.68	--
	03/06/02	P				8.27	325.95	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	0.37	--
	04/26/02	P				8.05	326.17	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.6	--	0.3	--
	09/23/02	P				7.94	326.28	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	2.9	4.1	7.3
	12/27/02	P				7.56	326.66	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	2.6	2.1	6.9
	3/12/2003 [7]	P				7.67	326.55	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	1.6	2.8	6.8
	06/28/03 [8]	P	336.87			7.60	329.27	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	2.1	--	5.6
	09/30/03	P				7.66	329.21	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.4	2.2	6.9
	12/05/03	P				5.61	331.26	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	2.3	3.0	7.0
	03/10/04	**P**				**6.84**	**330.03**	**ND<50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**		**2.1**	**4.0**	**6.2**

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring		TOC Elevation (ft-MSL)	Top of Screen (ft., bgs)	Bottom of Casing (ft., bgs)	Depth to Water (ft.)	Groundwater Elevation (ft-MSL)	GRO/ TPH-g [11] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen[9] (mg/L)	pH Level[9]
MW-5	02/15/95		335.87		17.40	7.80	328.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--
	05/24/95					8.10	327.77	Not sampled: well sampled annually, during the first quarter								
	08/25/95					9.43	326.44	Not sampled: well sampled annually, during the first quarter								
	11/28/95					10.12	325.75	Not sampled: well sampled annually, during the first quarter								
	02/26/96					6.73	329.14	03-13-96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	--
	05/23/96					7.87	328.00	Not sampled: well sampled annually, during the first quarter								
	08/23/96					9.46	326.41	Not sampled: well not part of sampling program								
	03/21/97					8.23	327.64	Not sampled: well not part of sampling program								
	08/20/97					9.92	325.95	Not sampled: well not part of sampling program								
	11/21/97					10.18	325.69	Not sampled: well not part of sampling program								
	02/12/98					6.45	329.42	Not sampled: well not part of sampling program								
	07/31/98					8.98	326.89	Not sampled: well not part of sampling program								
	02/17/99					7.65	328.22	Not sampled: well not part of sampling program								
	08/24/99					8.10	327.77	Not sampled: well not part of sampling program								
	03/01/00					7.31	328.56	Not sampled: well not part of sampling program								
	08/18/00					8.65	327.22	Not sampled: well not part of sampling program								
	12/27/00					9.80	326.07	Not sampled: well not part of sampling program								
	02/09/01					9.65	326.22	Not sampled: well not part of sampling program								
	04/17/01					9.92	325.95	Not sampled: well not part of sampling program								
	07/17/01					9.95	325.92	Not sampled: well not part of sampling program								
	12/21/01					Well inaccessible										
	03/06/02					Well inaccessible										
	04/26/02					Well inaccessible										
	09/23/02					7.94	327.93	Not sampled: well not part of sampling program								
	12/27/02	P				7.57	328.30	ND<50	ND<0.50	ND<0.50	ND<0.50	0.76	--	15	0.7	6.9
	3/12/2003 [7]					8.32	327.55	Not sampled: well not part of sampling program								NS
	06/28/03 [8]		338.59			8.58	330.01	Not sampled: well not part of sampling program								NS
	09/30/03					9.28	329.31	Not sampled: well not part of sampling program								NS
	12/05/03	P				9.11	329.48	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	22	2.9	7.1
	03/10/04					**7.57**	**331.02**	**Not sampled: well not part of sampling program**								

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring		TOC Elevation (ft-MSL)	Top of Screen (ft., bgs)	Bottom of Casing (ft., bgs)	Depth to Water (ft.)	Groundwater Elevation (ft-MSL)	GRO/ TPH-g [11] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen[9] (mg/L)	pH Level[9]
MW-6	02/15/95		335.84		12.70	7.81	328.03	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	--	--
	05/24/95					8.35	327.49	Not sampled: well sampled annually, during the first quarter								
	08/25/95					9.71	326.13	Not sampled: well sampled annually, during the first quarter								
	11/28/95					10.28	325.56	Not sampled: well sampled annually, during the first quarter								
	02/26/96					6.60	329.24	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<3	--	--	--
	05/23/96					8.05	327.79	Not sampled: well sampled annually, during the first quarter								
	08/23/96					9.58	326.26	Not sampled: well not part of sampling program								
	03/21/97					8.39	327.45	Not sampled: well not part of sampling program								
	08/20/97					9.98	325.86	Not sampled: well not part of sampling program								
	11/21/97					10.31	325.53	Not sampled: well not part of sampling program								
	02/12/98					3.15	332.69	Not sampled: well not part of sampling program								
	07/31/98					9.29	326.55	Not sampled: well not part of sampling program								
	02/17/99					7.72	328.12	Not sampled: well not part of sampling program								
	08/24/99					9.65	326.19	Not sampled: well not part of sampling program								
	03/01/00					7.35	328.49	Not sampled: well not part of sampling program								
	08/18/00					8.65	327.19	Not sampled: well not part of sampling program								
	12/27/00					9.83	326.01	Not sampled: well not part of sampling program								
	02/09/01					9.62	326.22	Not sampled: well not part of sampling program								
	04/17/01					10.03	325.81	Not sampled: well not part of sampling program								
	07/17/01					9.95	325.89	Not sampled: well not part of sampling program								
	12/21/01	NP				9.47	326.37	ND<50	ND<0.50	ND<0.50	ND<0.50	0.57	ND<2.5	--	0.55	--
	03/06/02	P				9.31	326.53	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	0.33	--
	04/26/02	P				9.09	326.75	ND<50	ND<0.50	ND<0.50	ND<0.50	0.7	ND<2.5	--	0.31	--
	09/23/02	P				9.14	326.70	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	2.1	7.4
	12/27/02	P				7.26	328.58	ND<50	ND<0.50	ND<0.50	ND<0.50	0.63	NA	0.91	0.8	7.0
	3/12/2003 [7]	P				8.41	327.43	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	0.64	1.3	7.2
	06/28/03 [8]	P	338.37		322.57	8.56	329.81	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.62	1.6	6.8
	09/30/03	P				9.32	329.05	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	3.9	0.8	7.0
	12/05/03					8.96	329.41	Not sampled: well not part of sampling program								
	03/10/04					**7.65**	**330.72**	**Not sampled: well not part of sampling program**								

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring		TOC Elevation (ft-MSL)	Top of Screen (ft., bgs)	Bottom of Casing (ft., bgs)	Depth to Water (ft.)	Groundwater Elevation (ft-MSL)	GRO/ TPH-g [11] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen[9] (mg/L)	pH Level[9]
MW-7	12/21/01		NR		8.20	NR	NR	Not sampled: well dry								
	03/06/02		NR			NR	NR	Not sampled: well dry								
	04/26/02		NR			NR	NR	Not sampled: well dry								
	09/23/02		NR			NR	NR	Not sampled: well dry								
	12/27/02	P [5]	NR			7.74	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	NA	4.7	2.7	7.0
	3/12/2003 [7]		NR			DRY	NR	Not sampled: well dry								
	06/28/03 [8]		338.62			DRY	NR	Not sampled: well dry								
	09/30/03					DRY	NR	Not sampled: well dry								
	12/05/03					DRY	NR	Not sampled: well dry								
	03/10/04					**7.78**	**330.84**	Not sampled: well not part of sampling program								
MW-8	12/21/01	NP	NR		12.60	8.70	NR	ND<5,000	67	ND<50	ND<50	ND<50	2,400	1,300	0.60	--
	03/06/02	P	NR			8.63	NR	210	41	0.64	0.79	2.0	940	--	0.25	--
DUP	03/06/02		NR			NR	NR	170	37	0.67	0.70	1.9	740	--	--	--
	04/26/02	P	NR			8.15	NR	680	95	ND<1.0	14	2.5	490	--	0.31	--
DUP	04/26/02		NR			NR	NR	480	74	3.5	11.00	ND<1.0	640	--	--	--
	09/30/02	P	NR			9.37	NR	1,100 [3]	120	ND<5.0	57	8.7	NA	1,100	1.3	6.9
	12/27/02	P	NR			7.55	NR	350 [2]	13	ND<0.50	2.4	2.2	NA	73	0.8	6.9
	3/12/2003 [7]	P	NR			8.25	NR	ND<2,500	89	ND<25	ND<25	ND<25	NA	740	1.4	6.9
	06/28/03 [8]	P	338.27			8.38	329.89	7,000	680	ND<25	110	180	--	2,900	1.9	4.8
	09/30/03	P				9.09	329.18	1,500	240	18	45	150	--	180	1.0	6.8
	12/05/03	P				8.37	329.90	590	60	ND<2.5	15	4.2	--	150	1.5	7.1
	03/10/04	**P**				**7.41**	**330.86**	**690**	**50**	**ND<5.0**	**7.4**	**6.8**	--	**370**	**2.2**	**6.3**
VW-2	03/21/97		NR			8.22	NR	150	8.9	ND<0.5	ND<0.5	0.6	270	--	--	--
	08/20/97		NR			9.16	NR	Not sampled: well not part of sampling program								
	11/21/97		NR			8.27	NR	ND<200	3	ND<2	ND<2	ND<2	180	--	--	--
	02/12/98		NR			6.65	NR	200	19	ND<0.5	0.6	ND<0.5	2,200	--	--	--
	07/31/98		NR			7.01	NR	Not sampled: well not part of sampling program								
	02/17/99		NR			8.47	NR	Not sampled: well not part of sampling program								
	08/24/99		NR			8.20	NR	Not sampled: well not part of sampling program								
	03/01/00		NR			8.72	NR	Not sampled: well not part of sampling program								
	08/18/00	NP	NR			8.40	NR	ND<250	ND<2.50	ND<2.50	ND<2.50	ND<2.50	537	--	1.59	--
	12/27/00		NR			8.95	NR	Not sampled: Well Dry								
	02/09/01		NR			8.87	NR	Not sampled: Well Dry								
	04/17/01		NR			9.00	NR	Not sampled: Well Dry								
	07/17/01		NR			8.97	NR	Not sampled: Well Dry								
	12/21/01		Well abandoned during station upgrade activities													

Table 1
Groundwater Elevation and Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date of Sampling/ Monitoring		TOC Elevation (ft-MSL)	Top of Screen (ft., bgs)	Bottom of Casing (ft., bgs)	Depth to Water (ft.)	Groundwater Elevation (ft-MSL)	GRO/ TPH-g [11] (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE 8021B* (µg/L)	MTBE 8260 (µg/L)	Dissolved Oxygen[9] (mg/L)	pH Level[9]
Shell MW-6	12/27/00	P	NR			9.13	NR	74.7	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.30	--
DUP	12/27/00		NR			NR	NR	79.3	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	--	--
	02/09/01	P	NR			9.05	NR	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.29	--
	04/17/01	P	NR			10.17	NR	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	0.95	--
	07/17/01	P	NR			9.50	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.2	--	1.03	--
	12/21/01	P	NR			9.98	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	0.97	--
	03/06/02	P	NR			9.90	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	0.97	--
	04/26/02	P	NR			9.47	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	0.97	--
	09/27/02		Well destroyed													
Shell MW-7	12/27/00	P	NR			6.45	NR	ND<50.0	ND<0.500	0.696	ND<0.500	0.795	ND<2.50	--	1.33	--
	02/09/01	P	NR			6.39	NR	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.13	--
	04/17/01	P	NR			7.22	NR	ND<50.0	ND<0.500	ND<0.500	ND<0.500	ND<0.500	ND<2.50	--	1.12	--
	07/17/01	P	NR			6.93	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	1.05	--
	12/21/01	P	NR			7.15	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--		--
	03/06/02	P	NR			7.03	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	0.95	--
	04/26/02	P	NR			7.15	NR	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	0.95	--
	09/27/02		Well destroyed													

Notes:

--	= Not analyzed or not applicable
*	= EPA method 8020 prior to 03/01/00
**	= For previous historical groundwater elevation and analytical data please refer to Fourth Quarter Groundwater Monitoring Program Results , ARCO Service Station 6041, Dublin, CA (EMCON, February 26, 1996).
µg/L	= Micrograms per liter
bgs	= below ground surface
BTEX	= Benzene, toluene, ethylbenzene, total xylenes by EPA method 8021B. (EPA method 8020 prior to 03/01/00).
DUP	= Duplicate
EPA	= United States Environmental Protection Agency
ft	=feet
GRO	= Gasoline Range Organics
mg/L	= Milligrams per liter
MSL	= Mean sea level
MTBE	= Methyl tert-butyl ether analyzed using EPA Method 8260B
ND<	= Not detected at or above the laboratory reporting limit.
NR	= Not reported; data not available or not measurable
P	= Purge Sample
TOC	= Top of casing
TPH-g	= Total Petroleum Hydrocarbons as gasoline analyzed using EPA Method 8015B modified
1	= Discrete peak at C6-C7.
2	= Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
3	= Chromatogram Pattern: C6-C10
4	= Well casing broken, TOC unknown.
5	= Well mistakenly sampled this quarter
6	= Well casing was repaired and needs to be resurveyed.
7	= Beginning the 1st quarter of 2003, TPH-g, BTEX and MTBE were analyzed by EPA Method 8260B.
8	= Elevations resurveyed on 7/21/2003.
9	= Dissolved oxygen and pH levels are field mesurements.
10	= pH measurements ranged from 7.2 to 11.25.
11	=Please note that beginning in the Fourth Quarter 2003, the laboratory modified the reported analyte list. Total Petroleum Hydrocarbons as Gasoline (TPHg) has been changed to Gasoline Range Organics (GRO). The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

Source: The data within this table collected prior to September 2002 was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information.

Table 2
Groundwater Flow Direction and Gradient

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Date Measured	Average Flow Direction	Average Hydraulic Gradient
02/15/95	NR	NR
05/24/95	East-Southeast	0.002
08/25/95	Northwest	0.006
11/28/95	North	0.006
02/26/96	East	0.012
05/23/96	Flat Gradient	Flat Gradient
08/23/96	Flat Gradient	Flat Gradient
03/21/97	South-Southeast	0.005
08/20/97	South-Southwest	0.001
11/21/97	South-Southwest	0.002
02/12/98	East	0.024
07/31/98	Northwest	0.01
02/17/99	Southeast	0.007
08/24/99	South-Southwest	0.013
03/01/00	South-Southeast	0.005
09/26/00	South-Southeast	0.002
12/27/00	West-Southwest	0.003
02/09/01	West-Southwest	0.003
04/17/01	South-Southwest	0.015
07/17/01	South-Southwest	0.003
12/21/01	East	0.002
03/06/02	East	0.003
04/26/02	Southeast	0.003
09/27/02	South	0.013
12/27/02	Southeast	0.011
03/12/03	South-Southeast	0.008
06/28/03	South	0.001
09/30/03	Southwest	0.002
12/05/03	West	0.009
03/10/04	**South-Southeast**	**0.003**

Source:
The data within this table collected prior to September 2002 was provided to URS by Atlantic Richfield Company and their previous consultants. URS has not verified the accuracy of this information.

Table 3
Fuel Oxygenate Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-2	12/27/02	ND<20,000	ND<10,000	790	ND<250	ND<250	ND<250	ND<250	ND<250
	03/12/03	ND<100	540	11	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/28/03	ND<100	ND<20	1.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/30/03	ND<100	290	5.2	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	12/05/03	ND<100	730	2.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	03/10/04	**ND<1,000**	**13,000**	**5.6**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**
MW-3	12/27/02	ND<40,000	ND<20,000	1,100	ND<500	ND<500	ND<500	ND<500	ND<500
	03/12/03	ND<2,000	6,100	45	ND<10	ND<10	ND<10	ND<10	ND<10
	06/28/03	ND<2,000	29,000	140	ND<10	ND<10	ND<10	ND<10	ND<10
	09/30/03	ND<5,000	39,000	650	ND<25	ND<25	ND<25	ND<25	ND<25
	12/05/03	ND<5,000	39,000	480	ND<25	ND<25	ND<25	ND<25	ND<25
	03/10/04	**ND<200**	**590**	**75**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**ND<1.0**	**ND<1.0**
MW-4	12/27/02	ND<40	ND<20	2.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	03/12/03	ND<100	ND<20	1.6	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/28/03	ND<100	ND<20	2.1	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/30/03	ND<100	ND<20	1.4	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	12/05/03	ND<100	ND<20	2.3	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	03/10/04	**ND<100**	**ND<20**	**2.1**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**	**ND<0.50**
MW-5	12/27/02	ND<40	ND<20	15	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	12/05/03	ND<100	ND<20	22	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-6	12/27/02	ND<40	ND<20	0.91	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	03/12/03	ND<100	ND<20	0.64	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	06/28/03	ND<100	ND<20	0.62	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
	09/30/03	ND<500	ND<100	3.9	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
MW-7	12/27/02	ND<40	ND<20	4.7	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-8	12/27/02	ND<400	260	73	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
	03/12/03	ND<5,000	2,200	740	ND<25	ND<25	ND<25	ND<25	ND<25
	06/28/03	ND<5,000	12,000	2,900	ND<25	ND<25	ND<25	ND<25	ND<25
	09/30/03	ND<2,000	28,000[a]	180	ND<10	ND<10	ND<10	ND<10	ND<10
	12/05/03	ND<500	500	150	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
	03/10/04	**ND<1,000**	**420**	**370**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**	**ND<5.0**

Table 3
Fuel Oxygenate Analytical Data

ARCO Service Station #6041
7249 Village Parkway
Dublin, California

Note	= All fuel oxygenate compounds analyzed using EPA Method 8260B
1,2-DCA	= 1,2-Dichloroethane
a	= The result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.
DIPE	= Di-isopropyl ether
EDB	= 1,2-Dibromoethane
ETBE	= Ethyl tert butyl ether
µg/L	= micrograms per liter
MTBE	= Methyl tert-butyl ether
ND<	= Not detected at or above the laboratory reporting limit.
TAME	= tert-Amyl methyl ether
TBA	= tert-Butyl alcohol

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

WELL GAUGING DATA

Project # 040310-BA2 Date 3/10/04 Client Arco 6041

Site 7249 Village Pkwy, Dublin

	Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
SP 10'	MW-2	4					6.70	9.45	TOC	
	MW-3	4					7.58	13.89		
	MW-4	4	Pressure				6.84	14.47		
50	MW-5	4					7.57	17.39		
60	MW-6	4					7.65	12.70		
60	MW-7	4					7.78	8.14		2x2 Vault
	MW-8	4					7.41	12.60		2x2 Vault

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-BA2	Station # 6041
Sampler: Brian Hearn	Date: 3/10/04
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 9.45	Depth to Water: 6.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) (HACH)

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Purge Method: Bailer; (Disposable Bailer); Positive Air Displacement; Electric Submersible; Extraction Pump; Other: _____

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Other: _____

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1.8 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 5.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1053	68.4	6.5	3,547	1.8	cloudy gray
1057	68.4	6.3	3,530	3.6	" "
1101	68.9	6.4	3,525	5.4	" "

Did well dewater? Yes (No)		Gallons actually evacuated: 5.4	
Sampling Time: 1104		Sampling Date: 3/10/04	
Sample I.D.: MW-2		Laboratory: Pace (Sequoia) Other ____	
Analyzed for: TPH-G (BTEX) MTBE TPH-D	Other: Oxys, Ethanol, 1,2-DCA, EDB ALL by 8260		
D.O. (if req'd): Pre-purge:	mg/L	(Post-purge): 2.1	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-BA2	Station # 6041
Sampler: Brian/Heera	Date: 3/10/04
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 13.89	Depth to Water: 7.58
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) (HACH)

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

Top of Screen: ___

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

4.1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 12.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1116	72.5	7.4	6047	4.1	cloudy gray
1116	Well Dewatered @ 4.1 gallons				
1200	72.3	7.6	607	4.1	cloudy gray

Did well dewater? (Yes) No Gallons actually evacuated: 4.1

Sampling Time: 1200 Sampling Date: 3/10/04

Sample I.D.: MW-3 Laboratory: Pace (Sequoia) Other ___

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys, Ethanol, 1,2-DCA, EDB All by 8260

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	2.0 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-BA2	Station # 6041
Sampler: Brian Alcorn	Date: 3/10/04
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 14.47	Depth to Water: 6.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ____

Top of Screen: ____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

5.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 15.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1042	73.4	6.2	5,013	5.0	clear
1044	69.9	6.2	5,160	10.0	"
1044	Well Dewatered @ 10 gallons				
1150	70.9	6.2	5,036	10.0	cloudy gray

Did well dewater? (Yes) No — Gallons actually evacuated: 10.0

Sampling Time: 1150 — Sampling Date: 3/10/04

Sample I.D.: MW-4 — Laboratory: Pace (Sequoia) Other ____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys, Ethanol, 1,2-DCA, EDB ALL by 8260

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	4.0 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040310-BA2	Station # 6041
Sampler: Brian Hearn	Date: 3/10/04
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 12.60	Depth to Water: 7.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) / Extraction Pump / Other: _____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: _____

Top of Screen: _____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

3.4 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 10.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1125	72.1	6.4	765	3.4	cloudy gray, odor
1126	68.8	6.3	1,030	6.8	" " "
1127	67.8	6.3	1,051	10.2	" " "

Did well dewater? Yes (No) Gallons actually evacuated: 10.2

Sampling Time: 1130 Sampling Date: 3/10/04

Sample I.D.: MW-8 Laboratory: Pace (Sequoia) Other _____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other: Oxys, Ethanol, 1,2-DCA, EDB All by 8260

D.O. (if req'd):	Pre-purge:	mg/L	(Post-purge):	2.2 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

BP GEM OIL COMPANY TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING** FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the BP GEM Oil Company facility described below:

Station # 6401

Station Address 7249 Village Pkwy, Dublin

Total Gallons Collected From Groundwater Monitoring Wells: ________

added equip. rinse water ________ any other adjustments ________

TOTAL GALS. RECOVERED 32 loaded onto BTS vehicle # 58

BTS event # 040310-BA2 time 1230 date 3/10/04

signature [signature]

* *

REC'D AT ________ time _____ date ___/___/___

unloaded by signature ________

ATTACHMENT B

LABORATORY PROCEDURES, CERTIFIED ANALYTICAL REPORTS, AND CHAIN-OF-CUSTODY RECORDS

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals mentioned in the chain of custody using standard EPA methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by Atlantic Richfield Company have been reviewed and verified by that laboratory.

Sequoia
Analytical

885 Jarvis Drive
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www.sequoialabs.com

24 March, 2004

Scott Robinson
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: ARCO #6041, Dublin, CA
Work Order: MNC0330

Enclosed are the results of analyses for samples received by the laboratory on 03/11/04 15:28. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNC0330
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MNC0330-01	Water	03/10/04 11:04	03/11/04 15:28
MW-3	MNC0330-02	Water	03/10/04 12:00	03/11/04 15:28
MW-4	MNC0330-03	Water	03/10/04 11:50	03/11/04 15:28
MW-8	MNC0330-04	Water	03/10/04 11:30	03/11/04 15:28

These samples were received with intact custody seals.

Sequoia Analytical

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www.sequoialabs.com

URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNC0330
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:25

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (MNC0330-01) Water Sampled: 03/10/04 11:04 Received: 03/11/04 15:28									
Ethanol	ND	1000	ug/l	10	4C20001	03/20/04	03/20/04	EPA 8260B	
tert-Butyl alcohol	**13000**	200	"	"	"	"	"	"	
Methyl tert-butyl ether	**5.6**	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Xylenes (total)	ND	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*		*78-129*	"	"	"	"	
MW-3 (MNC0330-02) Water Sampled: 03/10/04 12:00 Received: 03/11/04 15:28									
Ethanol	ND	200	ug/l	2	4C20001	03/20/04	03/20/04	EPA 8260B	
tert-Butyl alcohol	**590**	40	"	"	"	"	"	"	
Methyl tert-butyl ether	**75**	1.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Benzene	**7.4**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**180**	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*		*78-129*	"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNC0330
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:25

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MNC0330-03) Water Sampled: 03/10/04 11:50 Received: 03/11/04 15:28									
Ethanol	ND	100	ug/l	1	4C20001	03/20/04	03/20/04	EPA 8260B	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.1**	0.50	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*	*78-129*		"	"	"	"	
MW-8 (MNC0330-04) Water Sampled: 03/10/04 11:30 Received: 03/11/04 15:28									
Ethanol	ND	1000	ug/l	10	4C20001	03/20/04	03/20/04	EPA 8260B	
tert-Butyl alcohol	**420**	200	"	"	"	"	"	"	
Methyl tert-butyl ether	**370**	5.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Benzene	**50**	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	**7.4**	5.0	"	"	"	"	"	"	
Xylenes (total)	**6.8**	5.0	"	"	"	"	"	"	
Gasoline Range Organics (C6-C10)	**690**	500	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*78-129*		"	"	"	"	

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNC0330
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:25

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C20001 - EPA 5030B P/T										
Blank (4C20001-BLK1)				Prepared & Analyzed: 03/20/04						
Ethanol	ND	100	ug/l							
tert-Butyl alcohol	ND	20	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
tert-Amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C6-C10)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*5.33*		"	*5.00*		*107*	*78-129*			
Laboratory Control Sample (4C20001-BS1)				Prepared & Analyzed: 03/20/04						
Ethanol	201	100	ug/l	200		100	31-143			
tert-Butyl alcohol	47.7	20	"	50.0		95.4	56-131			
Methyl tert-butyl ether	10.4	0.50	"	10.0		104	63-137			
Di-isopropyl ether	8.49	0.50	"	10.0		84.9	76-130			
Ethyl tert-butyl ether	9.92	0.50	"	10.0		99.2	81-121			
tert-Amyl methyl ether	10.2	0.50	"	10.0		102	82-140			
1,2-Dichloroethane	11.1	0.50	"	10.0		111	77-136			
1,2-Dibromoethane (EDB)	11.3	0.50	"	10.0		113	77-132			
Benzene	9.33	0.50	"	10.0		93.3	69-124			
Toluene	9.88	0.50	"	10.0		98.8	78-129			
Ethylbenzene	9.69	0.50	"	10.0		96.9	84-132			
Xylenes (total)	29.2	0.50	"	30.0		97.3	83-137			
Surrogate: 1,2-Dichloroethane-d4	*5.19*		"	*5.00*		*104*	*78-129*			

Sequoia Analytical

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNC0330
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:25

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C20001 - EPA 5030B P/T										
Laboratory Control Sample (4C20001-BS2)				Prepared & Analyzed: 03/20/04						
Methyl tert-butyl ether	9.18	0.50	ug/l	10.1		90.9	63-137			
Benzene	5.25	0.50	"	6.48		81.0	69-124			
Toluene	35.0	0.50	"	29.7		118	78-129			
Ethylbenzene	7.84	0.50	"	7.20		109	84-132			
Xylenes (total)	39.8	0.50	"	33.7		118	83-137			
Gasoline Range Organics (C6-C10)	364	50	"	440		82.7	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.27*		"	*5.00*		*105*	*78-129*			
Laboratory Control Sample Dup (4C20001-BSD1)				Prepared: 03/20/04 Analyzed: 03/21/04						
Ethanol	230	100	ug/l	200		115	31-143	13.5	20	CC04
tert-Butyl alcohol	46.3	20	"	50.0		92.6	56-131	2.98	20	
Methyl tert-butyl ether	10.2	0.50	"	10.0		102	63-137	1.94	20	
Di-isopropyl ether	8.03	0.50	"	10.0		80.3	76-130	5.57	20	
Ethyl tert-butyl ether	9.63	0.50	"	10.0		96.3	81-121	2.97	20	
tert-Amyl methyl ether	9.81	0.50	"	10.0		98.1	82-140	3.90	20	
1,2-Dichloroethane	11.0	0.50	"	10.0		110	77-136	0.905	20	
1,2-Dibromoethane (EDB)	10.6	0.50	"	10.0		106	77-132	6.39	20	
Benzene	8.80	0.50	"	10.0		88.0	69-124	5.85	20	
Toluene	9.25	0.50	"	10.0		92.5	78-129	6.59	20	
Ethylbenzene	9.18	0.50	"	10.0		91.8	84-132	5.41	20	
Xylenes (total)	28.0	0.50	"	30.0		93.3	83-137	4.20	20	
Surrogate: 1,2-Dichloroethane-d4	*5.36*		"	*5.00*		*107*	*78-129*			
Laboratory Control Sample Dup (4C20001-BSD2)				Prepared: 03/20/04 Analyzed: 03/21/04						
Methyl tert-butyl ether	9.02	0.50	ug/l	10.1		89.3	63-137	1.76	20	
Benzene	5.01	0.50	"	6.48		77.3	69-124	4.68	20	
Toluene	33.7	0.50	"	29.7		113	78-129	3.78	20	
Ethylbenzene	7.54	0.50	"	7.20		105	84-132	3.90	20	
Xylenes (total)	37.5	0.50	"	33.7		111	83-137	5.95	20	
Gasoline Range Organics (C6-C10)	326	50	"	440		74.1	70-124	11.0	20	
Surrogate: 1,2-Dichloroethane-d4	*5.39*		"	*5.00*		*108*	*78-129*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNC0330
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:25

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4C20001 - EPA 5030B P/T										
Matrix Spike (4C20001-MS1)	**Source: MNC0560-03**			Prepared & Analyzed: 03/20/04						
Methyl tert-butyl ether	2060	25	ug/l	500	1600	92.0	63-137			QM04
Benzene	453	25	"	500	ND	90.6	69-124			
Toluene	480	25	"	500	ND	96.0	78-129			
Ethylbenzene	476	25	"	500	ND	95.2	84-132			
Xylenes (total)	1440	25	"	1500	ND	96.0	83-137			
Surrogate: 1,2-Dichloroethane-d4	*5.30*		"	*5.00*		*106*	*78-129*			
Matrix Spike Dup (4C20001-MSD1)	**Source: MNC0560-03**			Prepared & Analyzed: 03/20/04						
Methyl tert-butyl ether	2070	25	ug/l	500	1600	94.0	63-137	0.484	20	QM04
Benzene	456	25	"	500	ND	91.2	69-124	0.660	20	
Toluene	490	25	"	500	ND	98.0	78-129	2.06	20	
Ethylbenzene	494	25	"	500	ND	98.8	84-132	3.71	20	
Xylenes (total)	1500	25	"	1500	ND	100	83-137	4.08	20	
Surrogate: 1,2-Dichloroethane-d4	*5.15*		"	*5.00*		*103*	*78-129*			

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URS Corporation [Arco]	Project: ARCO #6041, Dublin, CA	MNC0330
1333 Broadway, Suite 800	Project Number: INTRIM-50691	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	03/24/04 11:25

Notes and Definitions

CC04	The continuing calibration verification was outside of client contractual acceptance limits by 3% high. However, it was within method acceptance limits. The data should still be useful for its intended purpose.
QM04	The spike recovery was above control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

MNC0330

Project Name 6401 GWM
BP BU/GEM CO Portfolio Retail
BP Laboratory Contract Number: Atlantic Richfield Company
Date: 3/10/04
Requested Due Date (mm/dd/yy) 14 day TAT

On-site Time: 1000 Temp: 75
Off-site Time: 1230 Temp: 85
Sky Conditions: clear
Meteorological Events:
Wind Speed: 0-5 Direction: E

Send To:	BP/GEM Facility No.: ARCO 6041	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 7249 Village PKWY, DUBLIN, CA	Address: 1333 Broadway, Suite 800
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 6041	Oakland, CA 94612
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: donna.cosper@URSCorp.com
	California Global ID #:	Consultant/Contractor Project No.: 38-00006041.01 00427
Lab PM Lisa Race	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No: INTRIM -50691

Item No.	Sample Description	Time	Matrix: Soil/Solid	Water/Liquid	Sediments	Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	TPH-G / BTEX (8015/8021 or 8260)	TPH-D (8015)	MTBE (8021)	MTBE (8260)	MTBE, TAME, ETBE, DIPE, TBA (8260)	1,2-DCA & EDB (8260)	Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-2	1104		X			01	3				X	X				X	X	X	
2	MW-3	1200		↓			02	↓				↓	↓				↓	↓	↓	
3	MW-4	1150					03													
4	MW-8	1130					04													
5	TB-6401-03102004	1000					05	2				↓								ON Hold
6																				
7																				
8																				
9																				
10																				

Sampler's Name: Brian Adams	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Blaine Tech Services		3/11/04	9:20		3/11/04	9:20
Shipment Date:		3/11/04	1528		3-11-04	1528
Shipment Method:						
Shipment Tracking No:						

Special Instructions: Address Invoice to BP/GEM but send to URS for approval

Ice Present Yes X No ___ Temperature Blank Yes X No ___ Cooler Temperature on Receipt 3.2 °F/C Trip Blank Yes X No ___

White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

BP COC Rev. 1 2/5/02

ATTACHMENT C

EDCC REPORT AND EDF/GEOWELL SUBMITTAL CONFIRMATION

Error Summary Log

03/24/04

EDF 1.2i All files present in deliverable.

Laboratory:	Sequoia Analytical Laboratories, Inc., Morgan Hill, CA
Project Name:	ARCO #6041, Dublin, CA
Work Order Number:	MNC0330
Global ID:	T0600100109
Lab Report Number:	MNC0330032420041125

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
MNC0330032420041125	MW-2	MNC033001	W	CS	8260TPH	SW5030B	03/10/04	03/20/04	03/20/04	4C20001	1
MNC0330032420041125	MW-3	MNC033002	W	CS	8260TPH	SW5030B	03/10/04	03/20/04	03/20/04	4C20001	1
MNC0330032420041125	MW-4	MNC033003	W	CS	8260TPH	SW5030B	03/10/04	03/20/04	03/20/04	4C20001	1
MNC0330032420041125	MW-8	MNC033004	W	CS	8260TPH	SW5030B	03/10/04	03/20/04	03/20/04	4C20001	1
		MNC056003	W	NC	8260TPH	SW5030B	/ /	03/20/04	03/20/04	4C20001	1
		4C20001BSD1	WQ	BD1	8260TPH	SW5030B	/ /	03/20/04	03/21/04	4C20001	1
		4C20001BSD2	WQ	BD2	8260TPH	SW5030B	/ /	03/20/04	03/21/04	4C20001	1
		4C20001BS1	WQ	BS1	8260TPH	SW5030B	/ /	03/20/04	03/20/04	4C20001	1
		4C20001BS2	WQ	BS2	8260TPH	SW5030B	/ /	03/20/04	03/20/04	4C20001	1
		4C20001BLK1	WQ	LB1	8260TPH	SW5030B	/ /	03/20/04	03/20/04	4C20001	1
		4C20001MS1	W	MS1	8260TPH	SW5030B	/ /	03/20/04	03/20/04	4C20001	1
		4C20001MSD1	W	SD1	8260TPH	SW5030B	/ /	03/20/04	03/20/04	4C20001	1

EDFSAMP: Error Summary Log

03/24/04

Error type	Logcode	Projname	Npdlwo	Sampid	Matrix
There are no errors in this data file					

EDFTEST: Error Summary Log

03/24/04

Error type	Labsampid	Qccode	Anmcode	Exmcode	Anadate	Run number
There are no errors in this data file					/ /	0

EDFRES: Error Summary Log

03/24/04

Error type	Labsampid	Qccode	Matrix	Anmcode	Pvccode	Anadate	Run number	Parlabel
There are no errors in this data file						/ /	0	

EDFQC: Error Summary Log

03/24/04

Error type	Lablotctl	Anmcode	Parlabel	Qccode	Labqcid
There are no errors in this data files					

EDFCL: Error Summary Log

03/24/04

Error type	Clrevdate	Anmcode	Exmcode	Parlabel	Clcode
There are no errors in this data file	/ /				

AB2886 Electronic Delivery

Main Menu | View/Add Facilities | Upload EDD | Check EDD

UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title:	**QMR Geowell Q1 2004 Site 6041**
Submittal Date/Time:	**3/18/2004 1:45:29 PM**
Confirmation Number:	**6996520817**

Back to Main Menu

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CONTACT SITE ADMINISTRATOR

AB2886 Electronic Delivery

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Your EDF file has been succcessfully uploaded!

Confirmation Number: 6904516220
Date/Time of Submittal: 3/31/2004 12:46:47 PM
Facility Global ID: T0600100109
Facility Name: ARCO
Submittal Title: QMR Q1 2004 Site 6041
Submittal Type: GW Monitoring Report

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.